

SCD-MB4KP

RK3566 4K Android Media Player Box · Digital Signage Player

4K / H.265 DECODE

ANDROID 11

QUAD-CORE RK3566

4G / 5G OPTIONAL

CMS READY

24/7 OPERATION



ALL-IN-ONE ANDROID MEDIA PLAYER BOX

RK3566 1.8 GHz

Quad-core ARM Cortex-A55, Mali-G52 GPU, Android 11.0

4K / H.265

Hardware video decoding, plus smooth 1080P playback

16 GB eMMC

Built-in storage (32 GB optional) + TF card expansion

HDMI Out

Drives any TV, monitor, projector or LED stitching screen

Wi-Fi / LAN

Dual connectivity, with optional 4G/5G cellular module

202.6 mm

Compact metal housing · 202.6×106.5×27.8 mm

Why SCD-MB4KP

1

High performance

Quad-core RK3566 (ARM Cortex-A55) at up to 1.8 GHz with Mali-G52 GPU — a qualitative leap over common single/dual-core boxes, handling high-definition video and complex interactive operations with ease.

2

High stability

Purpose-built hardware and software integration keeps the board rock-solid, so the player runs unattended for 7×24 continuous operation in demanding signage deployments.

3

High integration

Ethernet, Wi-Fi, power amplifier, TF expansion, USB and HDMI are all built in — a single compact box that greatly simplifies installation versus a full all-in-one unit.

4

High definition

HDMI output drives LCD displays, TVs, projectors and LED stitching screens of practically any size or resolution, with 4K/H.265 hardware decoding for crisp, smooth playback.



APPLICATION

Turn any screen into a smart display

Pair the SCD-MB4KP with an existing TV, monitor or LED wall for an affordable signage network — ideal for retail, hospitality, transport and finance.

SYSTEM

CPU	RK3566, quad-core, up to 1.8 GHz
GPU	Mali-G52, OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
OS	Android 11.0 (Android 7–12 available on request)
Storage	eMMC 16 GB (32 GB optional) + TF card expansion (SSD-capable)
Software	Open root permissions, customizable product development
Upgrade	OTA remote upgrade · U-disk upgrade
Management	Server / standalone mode switch · CMS compatible

NETWORK

Wi-Fi	Built-in Wi-Fi module, external antenna
LAN	RJ45 Ethernet port
Cellular	4G / 5G module optional, via SIM card slot
Remote mgmt	Internet / LAN cluster management, CMS server or cloud

INTERFACE

USB	1× USB 2.0 HOST, 1× USB 2.0 / OTG switchable
TF card	TF card slot for content / storage expansion
SIM slot	For optional 4G/5G cellular module
Audio	3.5 mm dual-channel audio output
HDMI / Power	HDMI out · DC 12V power input
Other	IR receiver · recovery button · reset (in audio port)

VIDEO & DISPLAY OUTPUT

Decoding	4K / H.265 hardware decoding · 1080P video decoding
Output	HDMI output to any HDMI display
Compatible with	TVs, monitors, projectors, LED stitching / video walls
Image rotation	Manual 0° / 90° / 180° / 270°
Play mode	Standalone or networked content distribution

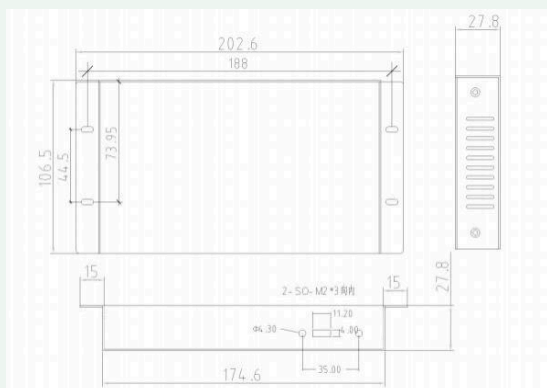
MEDIA PLAYBACK

Audio	MP3, WMA, WAV, APE, FLAC, AAC, OGG, M4A, 3GPP, etc.
Image	JPG, BMP, PNG and other common formats
Language	Multi-language UI support
Audio out	Standard left & right channel line output

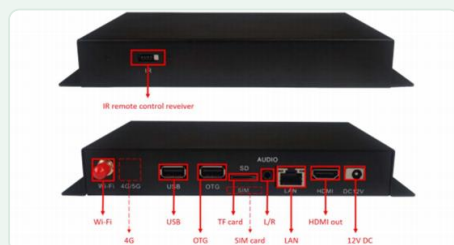
BUILD & ENVIRONMENT

Housing	Compact metal enclosure, wall / VESA mountable
Dimensions	202.6 × 106.5 × 27.8 mm (boxed)
Working temp.	–20°C to +60°C
Storage humidity	10% – 90% RH
Operation	Rated for continuous 7×24 operation

PRODUCT MEASUREMENTS



	L	W	H
Unit (boxed)	202.6 mm	106.5 mm	27.8 mm
Mount holes	188 × 73.95 mm (M3 screw, 4-point)		
Power	DC 12V input, board-level power only		
In the box	Media player box, DC power adapter, Wi-Fi antenna, mounting bracket		



INTERFACE LAYOUT

Top: IR remote receiver. Rear: Wi-Fi / 4G-5G antenna port, USB, OTG, TF card & SIM card slot, 3.5 mm audio output, RJ45 LAN, HDMI output, DC 12V power input.